

^{50}K $Z = 19$ $N = 31$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 414.429 (0.008) MeV

Qbeta- = 13.861 (0.008) MeV

	Energy T	J+	J-	J-other	T1/2
50K	1			0.000	0(-) 1 472 MS 4
50K	2			0.044	(1,2-) 2
50K	3			0.070	(1,2-) 3
50K	4			0.172	(2-) 4 131 NS 40

S-p = 15.961 (0.392)-----
 S-n = 4.188 (0.008)-----
 S-2p = 36.045 (0.480)-----
 S-2n = 9.586 (0.008)-----
 S-alpha= 14.418 (0.098)-----

S+p = -17.893 (0.008)
 S+n = -4.859 (0.015)
 S+2p = -29.374 (0.008)
 S+2n = -7.552 (0.034)
 S+alpha = -11.135 (0.016)

gap p = -1.932 (0.392)
 gap n = -0.671 (0.017)
 gap 2p = 6.671 (0.480)
 gap 2n = 2.034 (0.035)
 gap alpha = 3.283 (0.099)